

### ABSTRACT OF THE DISCLOSURE

An intercalated clay comprising a clay intercalated with a block copolymer wherein said block copolymer comprises a hydrophilic block capable of intercalating said clay. An additional embodiment is an article comprising a  
5 matrix polymer and clay wherein said clay is intercalated with a block copolymer, wherein said block copolymer comprises a hydrophilic block capable of intercalating said clay and a matrix compatible block compatible with said matrix polymer.

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